Astronaut Devices and Wearables For Situational Awareness and Robotic Interaction

Completed Technology Project (2017 - 2018)

Project Introduction

A paper including preliminary sketches, and concept for solutions utilizing JPL technology on astronaut devices and wearables.

Anticipated Benefits

This concept could enhance JPL's technology in robotics by challenging and expanding its capability in human robotic interaction for innovative astronaut devices and wearables.

Primary U.S. Work Locations and Key Partners

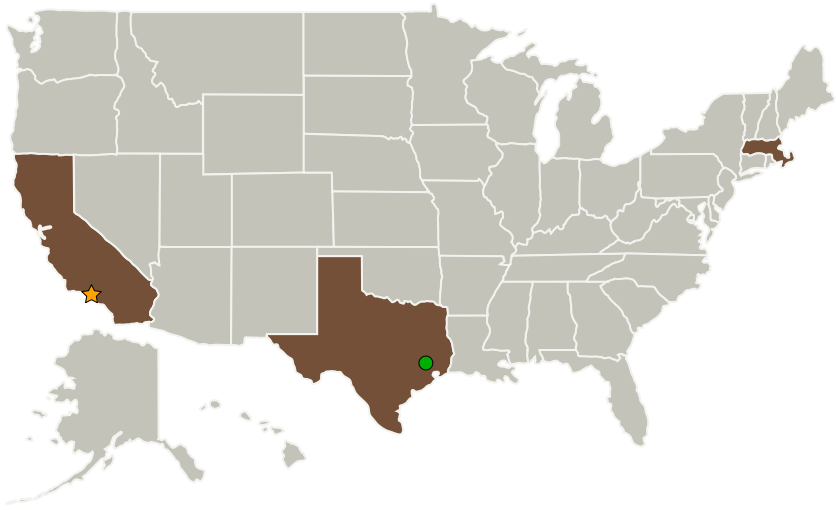

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Table of Contents

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Center / Facility:

Jet Propulsion Laboratory (JPL)

Responsible Program:

Center Innovation Fund: JPL CIF

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Organizations Performing Work	Role	Type	Location
★Jet Propulsion Laboratory(JPL)	Lead Organization	NASA Center	Pasadena, California
●Johnson Space Center(JSC)	Supporting Organization	NASA Center	Houston, Texas
Massachusetts Institute of Technology(MIT)	Supporting Organization	Academia	Cambridge, Massachusetts
Qualcomm Inc	Supporting Organization	Industry	

Primary U.S. Work Locations	
California	Massachusetts
Texas	

Project Management

Program Director:

Michael R Lapointe

Program Manager:

Fred Y Hadaegh

Principal Investigator:

Lizbeth De La Torre

Technology Areas

Primary:

- TX06 Human Health, Life Support, and Habitation Systems
  - TX06.3 Human Health and Performance
    - TX06.3.4 Contact-less / Wearable Human Health and Performance Monitoring

Target Destinations

Earth, The Moon, Mars